



Taizhou Dongsheng New Energy Technology Co., Ltd.

Mountain PV Mounting

Double Column PV Mounting

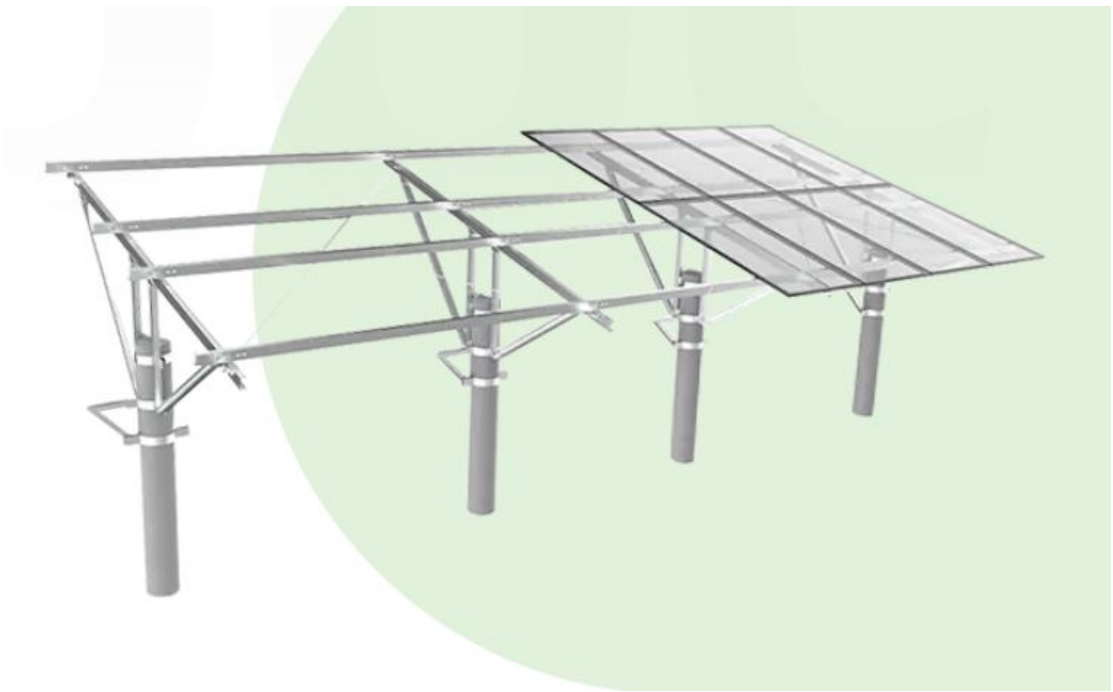


Double Column PV Mounting adopts a symmetrical double column structure, and the overall rigidity is enhanced by transverse connectors. The load-bearing and wind-resistant performance is significantly better than that of a single column. The main body is galvanized steel or aluminum alloy, which is suitable for large-span component arrangement and high-angle design. The foundation can be equipped with embedded piles or concrete piers. It is suitable for mountainous and coastal areas with high wind pressure or heavy snow load, ensuring the stability of the power station throughout its life cycle.

Technical Parameters

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
Ultra-Stable Dual Support	Heavy Load Bearing	Terrain Adaptation	Large Power Stations, Agri-PV Projects	Aluminum Alloy/Carbon Steel	0.55kN/m ²	0.5kN/m ²	25 years

Fishery-solar Hybrid PV Mounting



Fishery-solar Hybrid PV Mounting system is an integrated solution designed for the scenario of "water power generation and underwater aquaculture". It adopts a high bracket structure to support [photovoltaic modules](#) to be erected above fish ponds, lakes and other waters. The main body of the bracket is made of aluminum-magnesium-zinc steel or corrosion-resistant composite materials. The pile foundation is deeply buried to ensure stability against wind and waves. The height from the water is 2.5-4 meters, leaving sufficient space for fishing boats to pass and aquaculture operations. It realizes "one place, two uses" efficient power generation and aquaculture benefits. It is suitable for large-scale fishery-photovoltaic complementary projects such as freshwater and offshore, and is both eco-friendly and economical.

Technical Parameters

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
3D Space Utilization	Corrosion Resistance	Fishery-Friendly	Lakes, Fish Ponds, Tidal Flat PV Projects	Aluminum Alloy/Carbon Steel	0.55kN/m²	0.5kN/m²	25 years

Agricultural-solar Hybrid PV Mounting



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gricultural-solar Hybrid PV Mounting is a support system designed for the collaborative scenario of "photovoltaic power generation + agricultural planting". It adopts a high-ground structure (usually 2.5-4 meters) to ensure that the crops below are well-lit and that agricultural machinery can pass unimpeded. The main body of the bracket is made of hot-dip galvanized steel or aluminum alloy, which is corrosion-resistant and has strong load-bearing capacity. It is stably installed through pre-buried piles or spiral pile foundations, and is suitable for various terrains such as flat farmland and sloping land. The design takes into account the optimization of the component inclination angle and the balance of light transmittance. The system realizes "one land, two uses", which not only improves the comprehensive utilization rate of land, but also helps the low-carbon transformation of agriculture. It is suitable for agricultural-photovoltaic integrated projects such as vegetable and fruit planting and greenhouses, and takes into account power generation income and sustainable agricultural development.

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
Agri-Power Dual Benefit	Land Reuse + Crop Yield Increase	Mechanized Adaptation, Smart Adjustment	Farmland, Greenhouses, Economic Crop Areas	Aluminum Alloy/Carbon Steel	0.55kN/m²	0.5kN/m²	25 years



Contact Us

 +86-523-80509588

 Vincent@suneast-solar.com

 11th Floor, Wenchuang Building, 60 Fenghuang East Road, Hailing District, Taizhou City, JiangSu, China